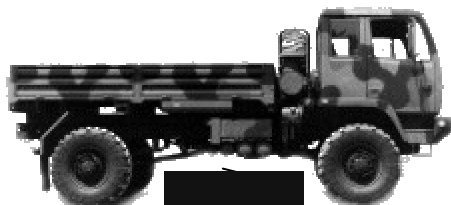


TACOM ■ “One Synaptic Environment”

2001 Tactical Wheeled Vehicle Conference



MG John S. Caldwell Jr.
Commanding General



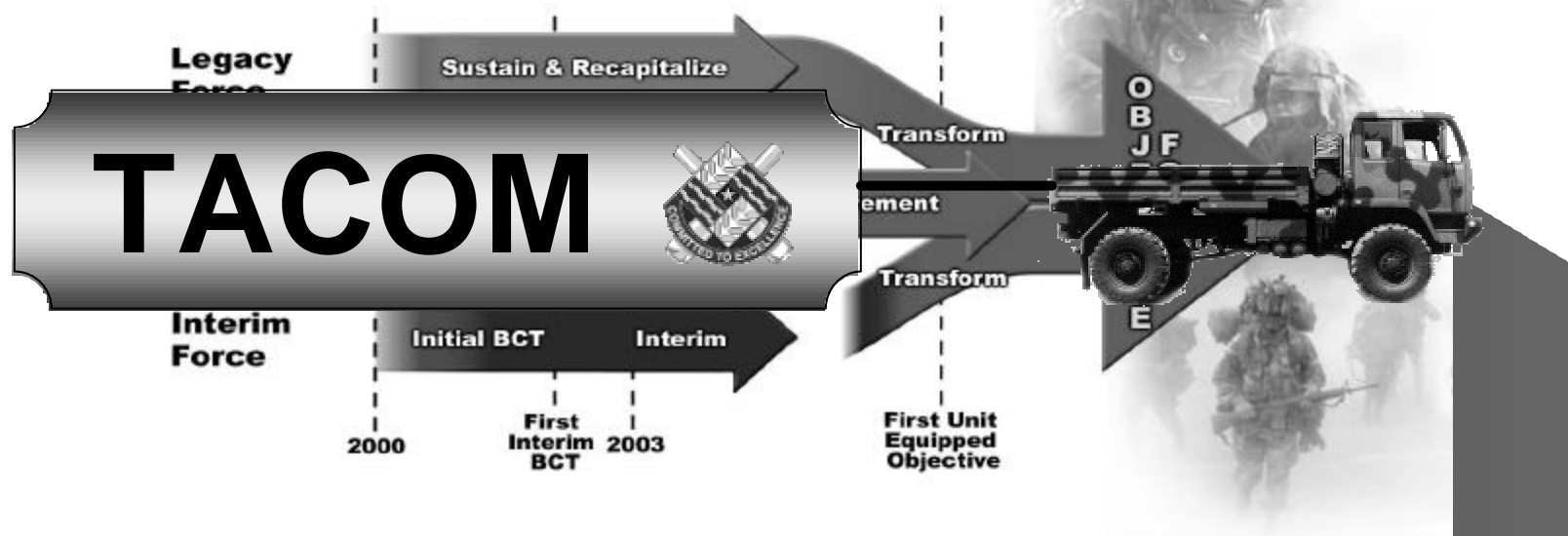
Outline

- TACOM & The Army Transformation
- The Digital Nervous System
- Collaborative Environments
- A New Frontier



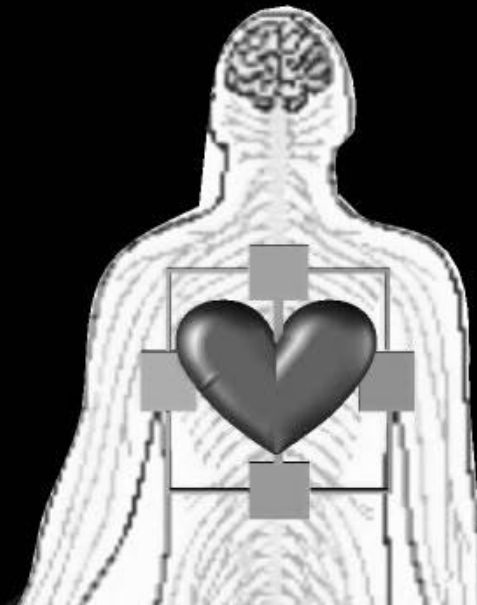
TACOM & the Army Transformation

The Army Transformation



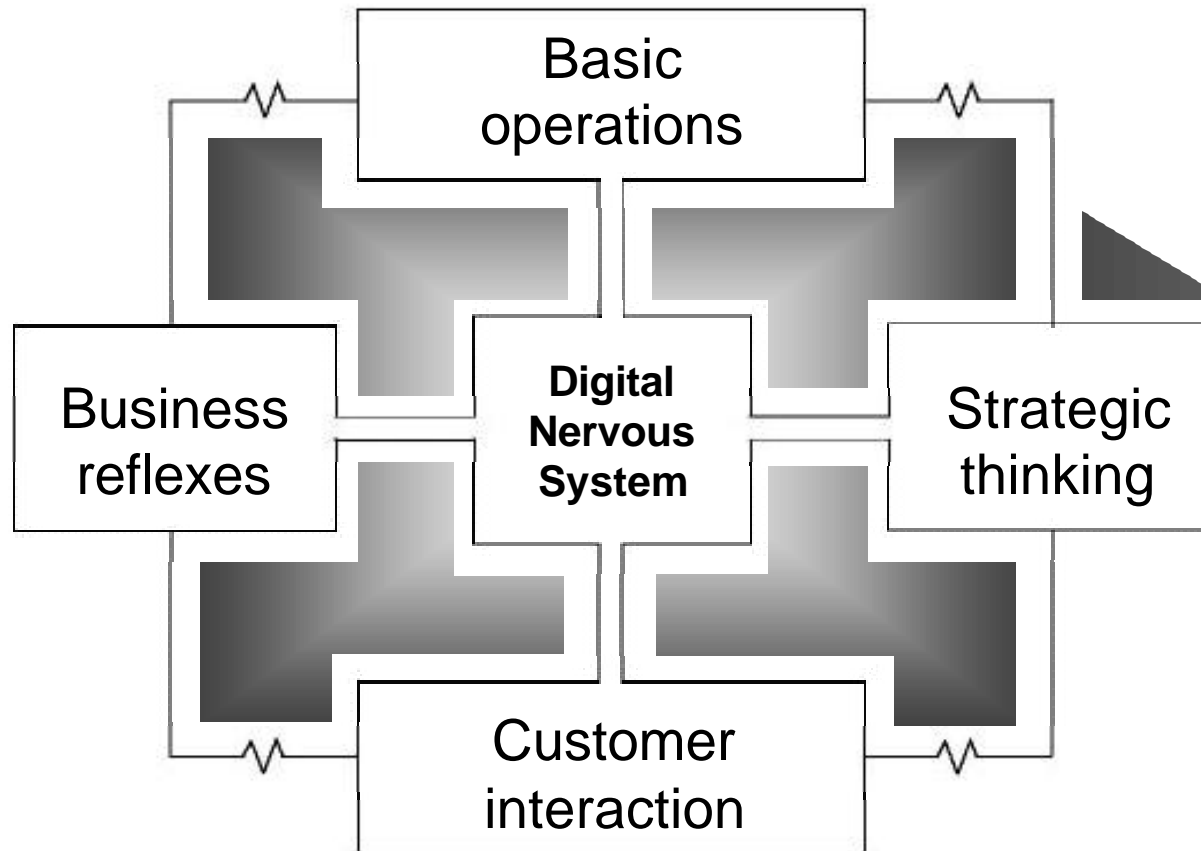
*... Responsive, Deployable, Agile, Versatile,
Lethal, Survivable, Sustainable.*

Critical to Vitality





Digital Nervous System



January 2001

Gates, Bill, Business@The Speed of Thought, 1999.



TACOM & the Army Transformation

**Tank Automotive
Research & Development
(TARDEC)**

National Automotive Center
(NAC)

**Program Management
for 211 Acquisition
Programs**

**Integrated Logistics for
71% of Mechanized
Units**

**Anniston
Depot**

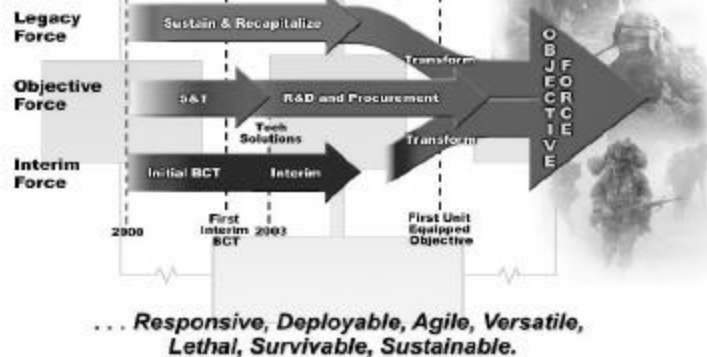
The Army Transformation

**Red River
Depot**

**Armaments
Research & Development
(ARDEC)**

Partnering

- TRADOC & Fielded Force
- Other Agencies & Services
 - DARPA
 - Other Army
 - Marine Corps
 - Many Others
 - Industry
 - Allies
 - Future Scout
 - Munitions
 - Academia



**Support to 8
PEO Managed
Acquisitions**

**Integrated Logistics
for 3269 Fielded
End Item NSNs**

**Program Management
for IAV / BCT**

**Program Management
for Future Scout**

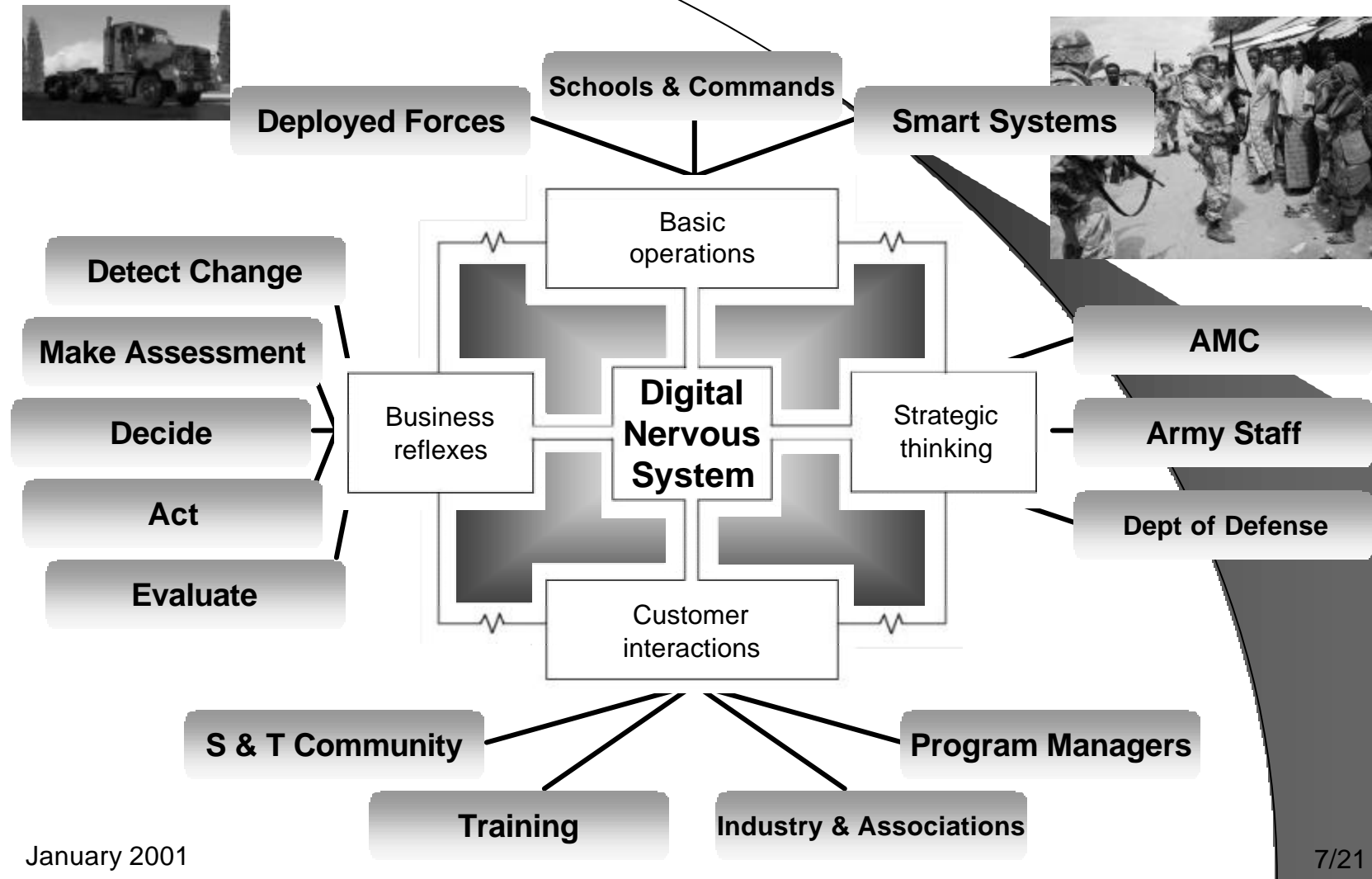
**FCS System
Integration**

January 2001

6/21

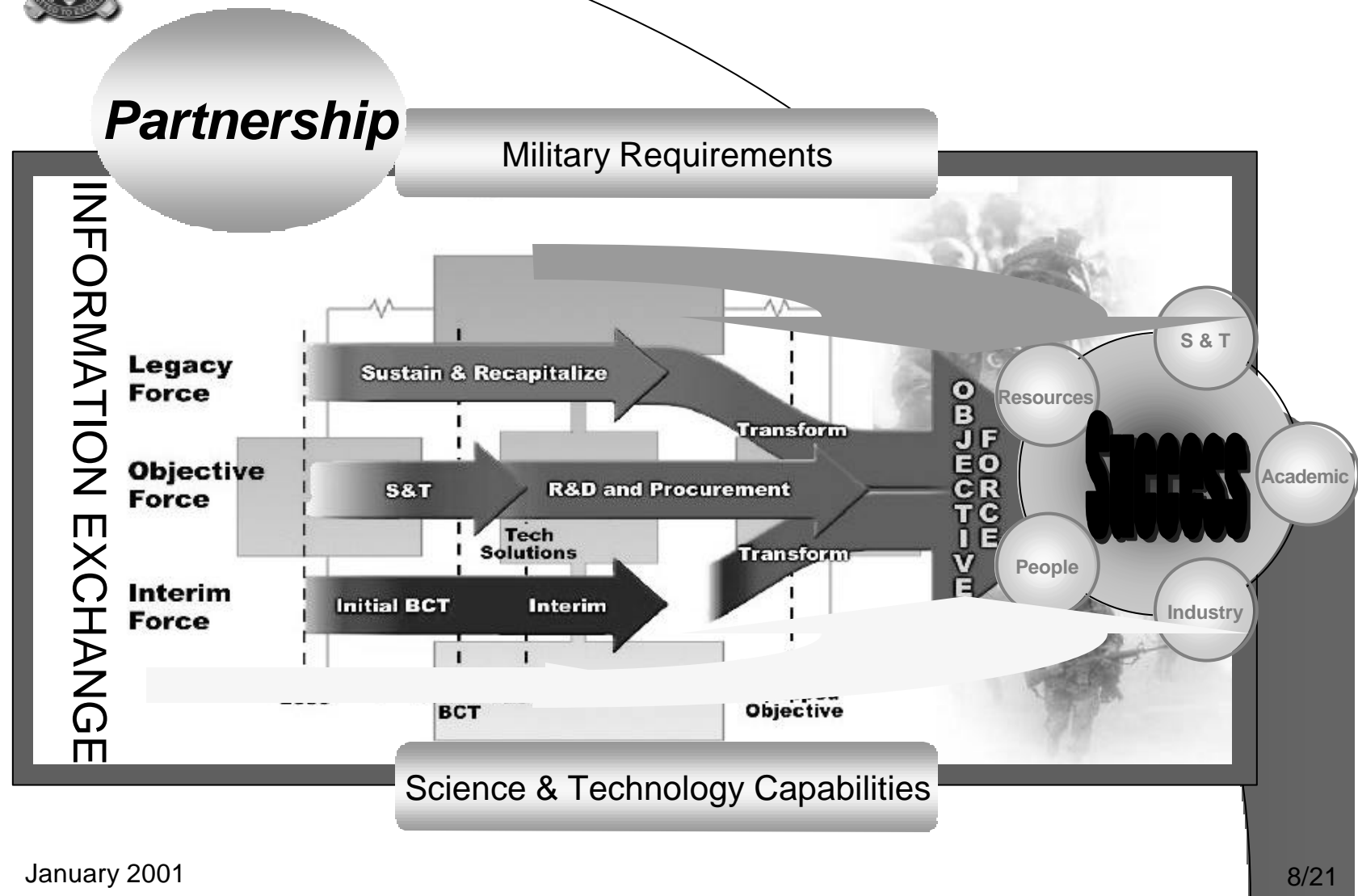


Synaptic Environment



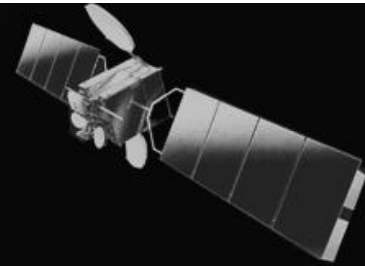


TACOM Vision



COMMAND AND CONTROL

LINKING THE SERVICE BAY WITH THE VEHICLE & FLEET OPERATIONS



COMMAND AND CONTROL

LINKING THE SERVICE BAY WITH THE VEHICLE & FLEET OPERATIONS



COMMAND AND CONTROL

LINKING THE SERVICE BAY WITH THE VEHICLE & FLEET OPERATIONS





Database & Applications

VEHICLE

USER



**Database &
Applications**

Diagnostics

**Maintenance
Schedule**

Alerts

USER

**Warranty
Trends**

**Vehicle
Location**

**Driver
Parameters**

**Engine
Parameters**

**Firmware
Downloads**

VEHICLE

**Vehicle
Parameters**

**NEXIQ
Technologies**

Volvo

EATON

PACCAR

Detroit Diesel

AM General

Ford

Cummins

**Stewart &
Stevenson**

Mack

Partners

Allison

Freightliner

Transmission

BAE Systems

Lockheed Martin

DaimlerChrysler

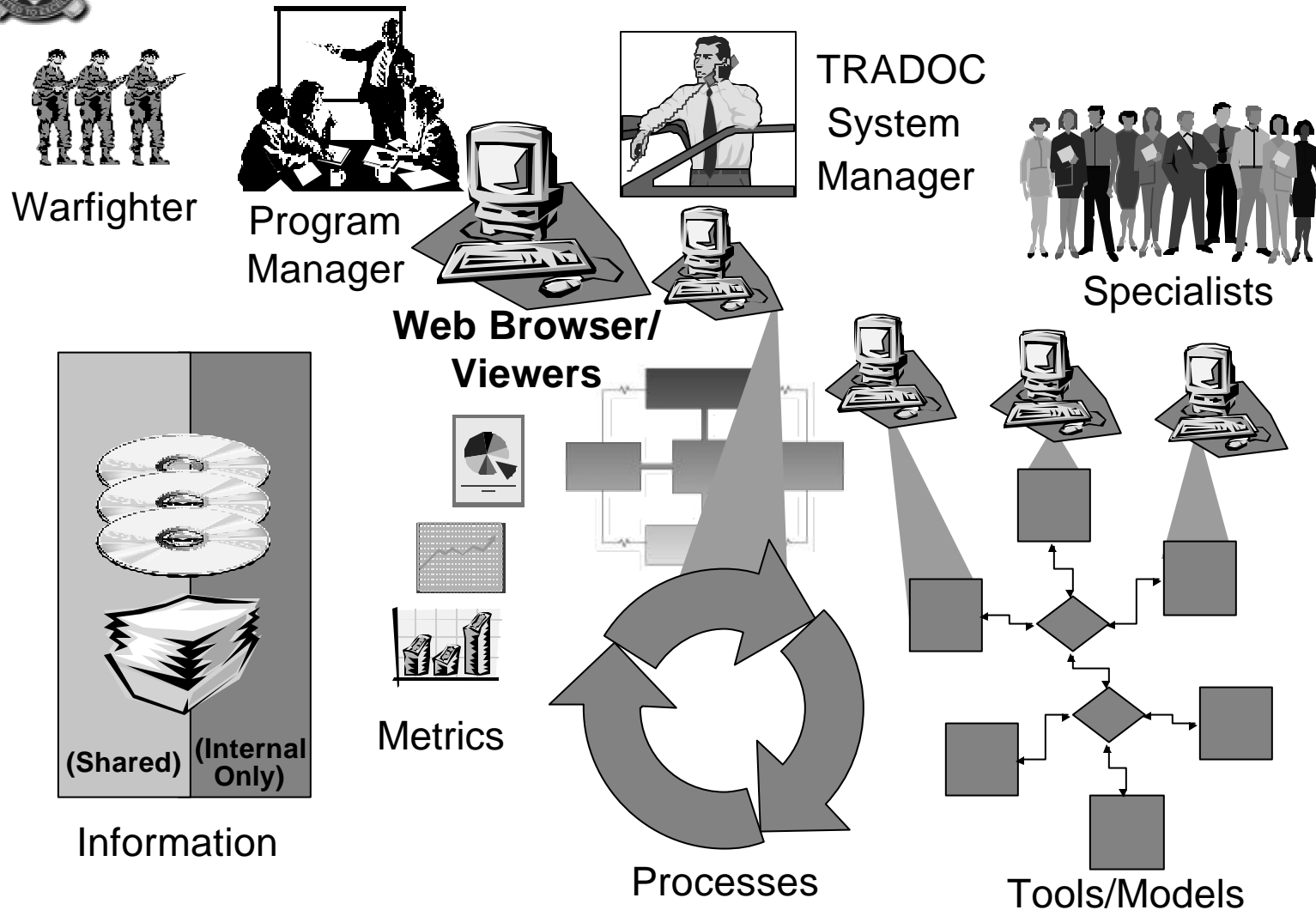
ArvinMeritor

Oshkosh

Caterpillar



Connecting Information and People

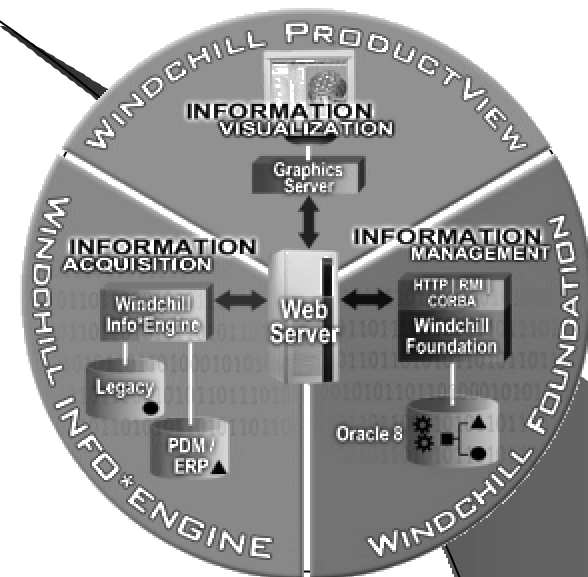


January 2001



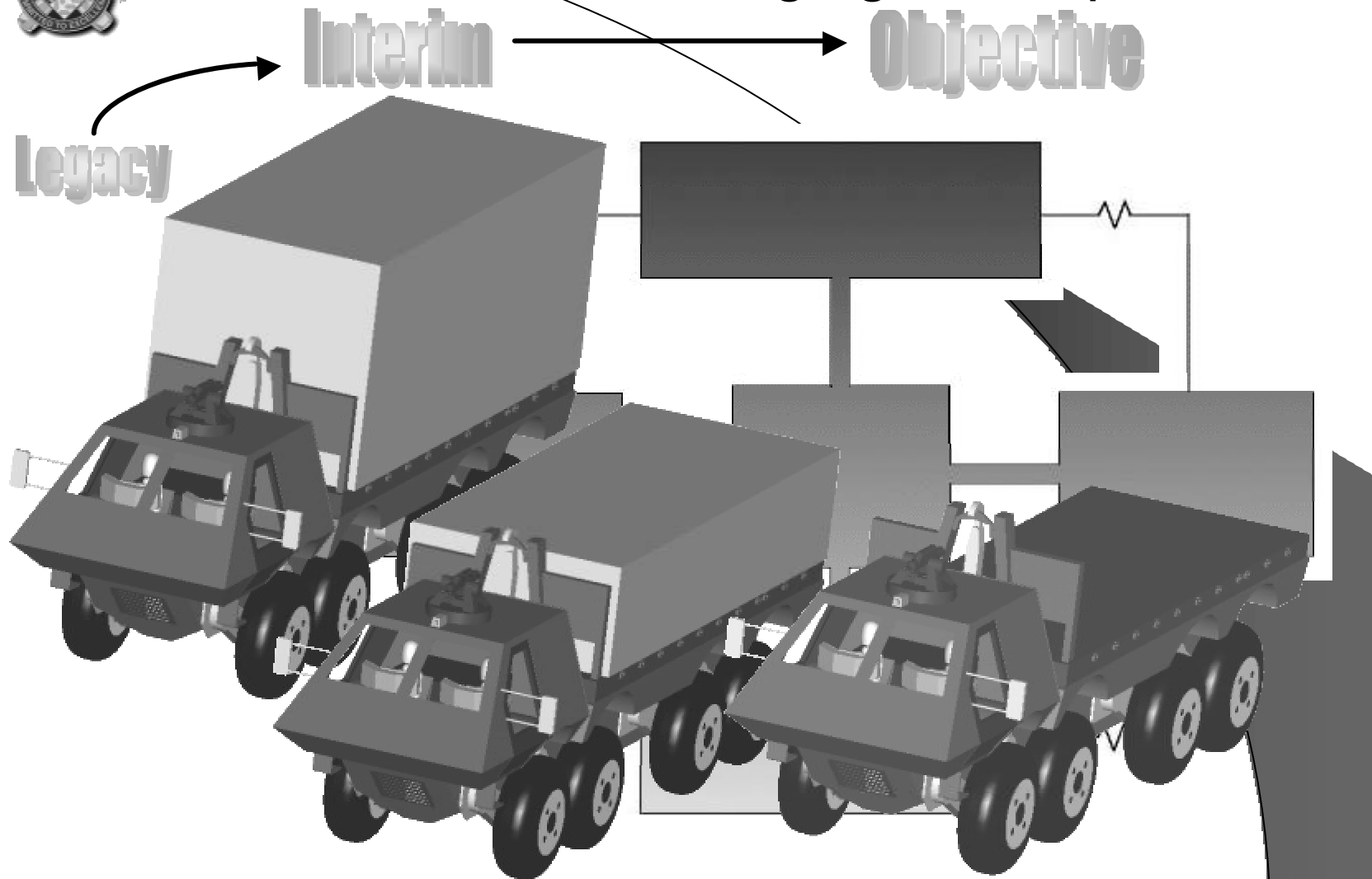
Windchill based Information Framework for Collaboration

- Find the Information
- Manage the Information
- Use the Information



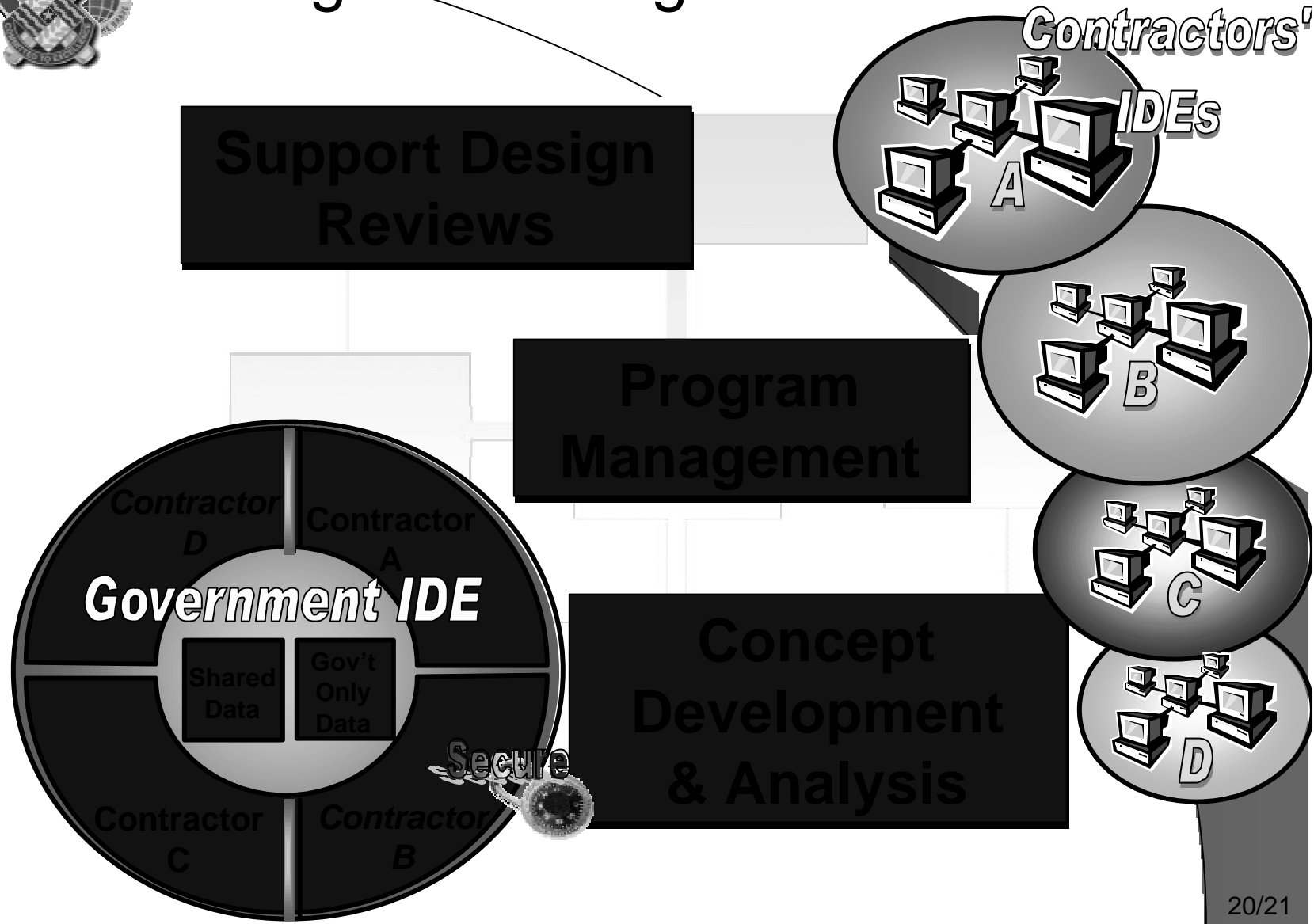


FTTS - Emerging Concept





Integrated Design Environment



**TACOM
Invites
Our Partners
To Build Our
Digital Nervous
System**

